



2834
PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Keiji TAKAHASHI et al.

Application No.: 09/891,222

Filed: June 26, 2001

Docket No.: 111343

For: VOLTAGE REGULATOR OF VEHICLE AC GENERATOR

SUBMISSION OF POWER OF ATTORNEY BY ASSIGNEE

Director of the U.S. Patent and Trademark Office
Washington, D.C. 20231

Sir:

Enclosed is a Power of Attorney by Assignee to be made of record in the above-identified application.

In the event of any nonpayment or improper payment of a required fee, the Director is authorized to charge or to credit OLIFF & BERRIDGE, PLC Deposit Account No. 15-0461 as required to correct the error.

Respectfully submitted,


James A. Oliff
Registration No. 27,075

Thomas J. Pardini
Registration No. 30,411

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JAO:TJP/kaw

Date: January 30, 2002

OLIFF & BERRIDGE, PLC
P.O. Box 19928
Alexandria, Virginia 22320
Telephone: (703) 836-6400

**DEPOSIT ACCOUNT USE
AUTHORIZATION**
Please grant any extension
necessary for entry;
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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

POWER OF ATTORNEY BY ASSIGNEE

Director of the U.S. Patent and Trademark Office
Washington, D.C. 20231

Sir:

Denso Corporation is the Assignee of the entire right, title and interest in the patent applications identified in the attached Appendix A by virtue of Assignments recorded at the locations identified in the Appendix. Additionally, Denso Corporation is the Assignee of the entire right, title and interest in the following three patent applications for which Assignments have been filed, but the original Assignments, indicating the dates and reel and frame numbers of recordation, have not yet been returned.:

| <u>U.S. Patent Application No.</u> | <u>Filed</u> | <u>Inventors</u> |
|------------------------------------|-----------------|-------------------------|
| 09/891,222 | June 26, 2001 | Keiji TAKAHASHI et al. |
| 09/925,373 | August 10, 2001 | Naoki YAMAMOTO et al. |
| 09/893,417 | June 29, 2001 | Makoto TANIGUCHI et al. |

Copies of the Recordation Cover Sheets and executed Assignments as filed for these applications are attached hereto.

The undersigned is authorized to act on behalf of Denso Corporation; has reviewed the evidentiary documents in the chain of title; and certifies that to the best of the Assignee's knowledge and belief, title is in the Assignee.

Denso Corporation hereby revokes all prior powers of attorney and appoints the following as attorneys of record with full power of substitution and revocation to prosecute this application and all continuations and divisions thereof, and to transact all business in the Patent and Trademark Office:

James A. Oliff, Registration No. 27,075;
William P. Berridge, Registration No. 30,024;
Kirk M. Hudson, Registration No. 27,562;
Thomas J. Pardini, Registration No. 30,411;
Edward P. Walker, Registration No. 31,450;
Robert A. Miller, Registration No. 32,771;
Mario A. Costantino, Registration No. 33,565;
Stephen J. Roe, Registration No. 34,463;
Joel S. Armstrong, Registration No. 36,430;
Christopher W. Brown, Registration No. 38,025;
Richard E. Rice, Registration No. 31,560; and
Paul Tsou, Registration No. 37,956.

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ALL CORRESPONDENCE IN CONNECTION WITH THIS APPLICATION
SHOULD BE SENT TO OLIFF & BERRIDGE, PLC, P.O. BOX 19928, ALEXANDRIA,
VIRGINIA 22320. TELEPHONE: (703) 836-6400.

Jan. 30, 2002
Date

Masashi Kaniya
Signature

Typed Name: Masashi Kaniya

Title: General Manager

APPENDIX A

| <u>U.S. Patent Application Serial No.</u> | <u>Filed</u> | <u>Oliff & Berridge. PLC Docket No.</u> | <u>Reel/Frame No.</u> |
|---|-------------------|---|---------------------------|
| 09/736,251 | December 15, 2000 | 111275 | 011366/0518 |
| 09/576,631 | May 24, 2000 | 111338 | 010823/0867 |
| 09/620,906 | July 20, 2000 | 111339 | 010954/0395 |
| 09/740,038 | December 20, 2000 | 111340 | 011711/0918 |
| 09/742,292 | December 22, 2000 | 111341 | 011654/0986 |
| 09/466,477 | December 17, 1999 | 111347 | 010468/0948 |

Please return signed/recorded to:

Pillsbury Winthrop LLP

Intellectual Property Group
1100 New York Avenue, NW
Ninth Floor
Washington, DC 20005-3918

USA Patent Appln.
Sole or Joint

For inventions made outside USA
executed with or after application

Atty. Dkt. PW

60303-US-

SuS/nh

M#

Client Ref.

NONPROVISIONAL

ASSIGNMENT OF NONPROVISIONAL APPLICATION

NONPROVISIONAL

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, to wit:

INSERT

NAME(S) OF
INVENTOR(S)

(1) Keiji TAKAHASHI

(3) Makoto TANIGUCHI

(5)

(2) Toshinori MARUYAMA

(4)

☐ x box if continued on page 2

the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto:

INSERT

NAME(S) OF
ASSIGNEE(S)
& ADDRESS(ES)

DENSO CORPORATION

1-1, Showa-cho, Kariya-city, Aichi-pref., 448-8661 Japan

(hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention and all applications including any and all divisions, continuations, substitutes, and reissues thereof; and all resulting patents, known as

TITLE OF
INVENTION

VOLTAGE REGULATOR OF VEHICLE AC GENERATOR

for which the undersigned executed an application for Letters Patents of the United States of America:

NOTE → →

(Complete

line A, B and/or C)

(A) ☒ even date herewith

(B) ☐ on

(C) ☐ in U.S. Appl. No. _____

filed _____

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

NOTE → →

The undersigned hereby authorize(s) Pillsbury Winthrop LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

INVENTORS

1): Keiji Takahashi
Name: Keiji TAKAHASHI
2) Toshinori Maruyama
Name: Toshinori MARUYAMA
3) Makoto Taniguchi
Name: Makoto TANIGUCHI
4) _____
Name: _____
5) _____
Name: _____

DATE SIGNED

June, 29, 2001

WITNESSES

Hiroshi Ishida

June 29, 2001

Hiroshi Ishida

June, 29, 2001

Hiroshi Ishida

Please return signed/recorded to:

Pillsbury Winthrop LLP
Intellectual Property Group
1100 New York Avenue, NW
Ninth Floor
Washington, DC 20005-3918

USA Patent Appln.
Sole or Joint

For inventions made outside USA
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Atty. Dkt. PW

57249-US-SN/rh

M#

Client Ref.

NONPROVISIONAL

ASSIGNMENT
OF NONPROVISIONAL APPLICATION

NONPROVISIONAL

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, to wit:

INSERT

NAME(S) OF
INVENTOR(S)

(1) Naoki YAMAMOTO

(3) Hitoshi IRIE

(5)

(2) Makoto TANIGUCHI

(4)

☐ x box if continued on page 2

the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto:

INSERT

NAME(S) OF
ASSIGNEE(S)
& ADDRESS(ES)

DENSO CORPORATION

1-1, Showa-cho, Kariya-city, Aichi-pref., 448-8661 Japan

(hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention and all applications including any and all divisions, continuations, substitutes, and reissues thereof, and all resulting patents, known as

TITLE OF
INVENTION

VOLTAGE CONTROL APPARATUS FOR VEHICLE AC GENERATOR

for which the undersigned executed an application for Letters Patents of the United States of America:

NOTE → →

(Complete

line A, B and/or C)

(A) ☒ even date herewith

(B) ☐ on

(C) ☐ In U.S. Appln. No. _____

filed _____

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

NOTE → →

The undersigned hereby authorize(s) Pillsbury Winthrop LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

INVENTORS

1):
Name:
2)
Name:
3)
Name:
4)
Name:
5)
Name:

Naoki YAMAMOTO

Makoto TANIGUCHI

Hitoshi IRIE

DATE SIGNED

August 6, 2001

August 6, 2001

August 6, 2001

WITNESSES

Hitoshi Irie

Hitoshi Irie

Hitoshi Irie

Please return signed/recorded to:

Pillsbury Winthrop LLP
Intellectual Property Group
1600 Tysons Boulevard
McLean VA 22102

USA Patent Appl.
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ASSIGNMENT
OF NONPROVISIONAL APPLICATION

NONPROVISIONAL

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, to wit:

| | | |
|-------------------------------------|--|--|
| INSERT NAME(S) OF INVENTOR(S) | (1) Makoto TANIGUCHI (3) Koji TANAKA (5) | (2) Tomoya OKUNO (4) <input type="checkbox"/> x box if continued on page 2 |
|-------------------------------------|--|--|

the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto:

| | |
|--|---|
| INSERT NAME(S) OF ASSIGNEE(S) & ADDRESS(ES) | DENSO CORPORATION 1-1, Showa-cho, Kariya-city, Aichi-pref., 448-8661 Japan |
|--|---|

(hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention and all applications including any and all divisions, continuations, substitutes, and reissues thereof; and all resulting patents, known as

| | |
|-----------------------|--------------------|
| TITLE OF INVENTION | VEHICLE ALTERNATOR |
|-----------------------|--------------------|

for which the undersigned executed an application for Letters Patents of the United States of America:

NOTE → → (A) ☒ even date herewith
(B) ☐ on
line A, B and/or C) (C) ☐ In U.S. Appin. No. / filed

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

NOTE → → The undersigned hereby authorize(s) Pillsbury Winthrop LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

| | INVENTORS | DATE SIGNED | WITNESSES |
|-------|-------------------------|----------------------|-----------------------|
| 1): | <u>Makoto Taniguchi</u> | <u>June 20, 2001</u> | <u>Hiroshi Sekida</u> |
| Name: | Makoto TANIGUCHI | | |
| 2): | <u>Tomoya Okuno</u> | <u>June 20, 2001</u> | <u>Hiroshi Sekida</u> |
| Name: | Tomoya OKUNO | | |
| 3): | <u>Koji Tanaka</u> | <u>June 21, 2001</u> | <u>Hiroshi Sekida</u> |
| Name: | Koji TANAKA | | |

BOX ASSIGNMENTS

RECORDATION FORM COVER SHEET

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PATENT APPLICATIONS & PATENTS ONLY

TO THE ASSISTANT COMMISSIONER OF PATENTS AND TRADEMARKS:
SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

1. NAME OF CONVEYING PARTY(IES) (ASSIGNORS(S)):

1. Keiji TAKAHASHI
3. Makoto TANIGUCHI

2. Toshinori MARUYAMA

5.

4.

7.

6.

8.

ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? ☐ YES ☒ NO

2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:

NAME: DENSO CORPORATION

ADDRESS: 1-1, Showa-cho, Kariya-city, Aichi-pref., 448-8661 Japan

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? ☐ YES ☒ NO

3. NATURE OF CONVEYANCE (DOCUMENT):

(Submit herewith only one document for recordation—multiple copies of same Assignment signed by different inventors is one document)

☒ ASSIGNMENT OF ☒ WHOLE ☐ PART INTEREST
☒ ORIGINAL ☐ FACSIMILE/PHOTOCOPY
☐ CHANGE OF NAME ☐ VERIFIED TRANSLATION
☐ SECURITY ☐ MERGER ☐ OTHER:

EXEC. DATE: June 29, 2001

EXECUTION DATE(S) ON THE DECLARATION IF FILED HEREWITH: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY) June 29, 2001

4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? ☐ YES ☒ NO

A. PAT. APP. NO.(S)

M#

1st INVENTOR

B. PATENT NO.(S)

M#

1st INVENTOR

series code/serial no.

281490

If not in Item 1

If not in Item 1

If not in Item 1

5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:

Pillsbury Winthrop LLP
Intellectual Property Group
1600 Tysons Boulevard
McLean, VA 22102

6. NUMBER INVOLVED:

APPLNS 1 + PATS 0 = TOTAL = 1

7. AMOUNT OF FEE ENCLOSED: (Code 581)
ABOVE TOTAL x \$40 = \$40

5.5 ATTY DKT: Tel: (703) 905-2000

8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE
INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 03-3975
UNDER ORDER NO 30954 281490
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P 281490

MATTER NO.

60303-US-SUS

CLIENT REF.

CLIENT NO.

MATTER NO.

9. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

10. Total number of pages including this cover sheet, attachments and document (do not file dup. Cover sheet)

2

Signature

Attorney: Paul T. Bowen

Reg. No. 38009

Atty/Sec: PTB/vaw

TEL: (703) 905-2020

Date: October 29, 2001

FAX: (703) 905-2500

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| 1. NAME OF CONVEYING PARTY(IES) (ASSIGNOR(S)): | | 2. Keiji TAKAHASHI | |
| 1. Makoto TANIGUCHI | | 4. | |
| 3. Toshinori MARUYAMA | | 6. | |
| 5. | | 8. | |
| 7. | | | |
| ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | | |
| 2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST: | | | |
| NAME: DENSO CORPORATION | | | |
| ADDRESS: 1-1 Showa-cho, Kariya-city, Aichi-pref., 448-8681 JAPAN | | | |
| ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | | |
| 3. NATURE OF CONVEYANCE (DOCUMENT): (Submit herewith <u>only one document</u> for recordation—multiple copies of same Assignment signed by different inventors is one document) | | | |
| <input checked="" type="checkbox"/> ASSIGNMENT OF | | <input checked="" type="checkbox"/> WHOLE <input type="checkbox"/> PART INTEREST | |
| <input checked="" type="checkbox"/> ORIGINAL | | <input type="checkbox"/> FACSIMILE/PHOTOCOPY | |
| <input type="checkbox"/> CHANGE OF NAME | | <input type="checkbox"/> VERIFIED TRANSLATION | |
| <input type="checkbox"/> SECURITY <input type="checkbox"/> MERGER | | <input type="checkbox"/> OTHER: | |
| EXEC. DATE: June 28, 2001 | | | |
| EXECUTION DATE(S) ON THE DECLARATION IF FILED HERewith: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY) June 28, 2001 | | | |
| 4.5 APPL. NO.(S) OR PAT. NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | | |
| A. PAT. APP. NO.(S) | | B. PATENT NO.(S) | |
| NEW APPLICATION 0281516 | | If not in Item 1 | |
| 5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed: | | 6. NUMBER INVOLVED: APPLNS 1 + PATS 0 = TOTAL 1 | |
| Pillsbury Winthrop LLP Intellectual Property Group 1600 Tysons Boulevard McLean, VA 22102 | | 7. AMOUNT OF FEE ENCLOSED: (Code 581) ABOVE TOTAL x \$40 = \$40 | |
| 5.5 ATTY DKT: | | 8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 03-3975 | |
| P 0281516 | 56859-US-SN/sm | UNDER ORDER NO | 030954 |
| MATTER NO. | CLIENT REF. | dup sheet not required | CLIENT NO |
| | | MATTER NO. | |
| 9. | | 10. Total number of pages including this cover sheet, attachments and document (do not file dup. Cover sheet) | |
|  | | 2 | |
| Signature | | | |
| Attorney: Paul T. Bowen | | Date: July 6, 2001 | |
| Reg. No. 38009 | | FAX: (703) 805-2500 | |
| Atty/Sec: PTE/tal | | TEL: (703) 905-2020 | |
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